

CLAIMS

We claim:

- 1 1. A dummy practice rifle grenade, comprising:
 - 2 a generally cylindrical nose cone having a central axis;
 - 3 a cylindrical body having a central axis and having a front
 - 4 portion having a perpendicular front wall, a central portion, and
 - 5 a rear portion having a perpendicular rear wall; and
 - 6 a finned tail;
 - 7 said nose cone having a front cone portion tapering axially
 - 8 inward to a front flat perpendicular to said axis, a central
 - 9 cylindrical portion extending rearwardly from said front cone
 - 10 portion, and an inner taper portion extending rearwardly from
 - 11 said central cylindrical portion and tapering axially inwardly to
 - 12 a rear flat perpendicular to said axis;
 - 13 said nose cone having a rear opening rear axial bore having
 - 14 a first diameter extending forward to the intersection of said
 - 15 cylindrical portion and said inner taper portion, and having a
 - 16 central axial bore having a second diameter smaller than said
 - 17 first diameter opening into said rear axial bore and extending
 - 18 forward to a front wall located within said central cylindrical
 - 19 portion and about to a point about half the length of said
 - 20 cylindrical portion, said rear axial bore and said central axial
 - 21 bore forming cone inner step disposed perpendicular to said axis;

22 said cylindrical body front portion extending into said nose
23 cone along said rear axial bore and affixed thereto, said front
24 wall resting against said cone inner step forming a volume
25 defined by said cylindrical body front wall, said central axial
26 bore, and said central axial bore front wall, said volume
27 containing lead shot;

28 said cylindrical body rear portion and central portion
29 having a rear opening axial bore extending therethrough of such
30 diameter as to receive a launching rifle nose;

31 said finned tail having a cylindrical portion coaxial with
32 said cylindrical body and having a front surface and a rear
33 surface and having a plurality of radially extending outward
34 therefrom;

35 said tail cylindrical portion extending over said rear
36 portion of said cylindrical body and affixed thereto.

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1 2. The practice grenade of claim 1, wherein said finned
2 tail cylindrical portion and said cylindrical body rear portion
3 have mutually engaging threads for removably affixing said finned
4 tail cylindrical portion to said cylindrical body.

1 3. The practice grenade of claim 2, wherein said finned
2 tail has four fins equally radially spaced around said
3 cylindrical tail portion.

1 4. The practice grenade of claim 3, wherein said lead shot
2 is selected to provide a center of gravity at a desired point
3 along the length of said grenade.

1 5. The practice grenade of claim 4, wherein said nose cone
2 is affixed to said front portion of said cylindrical body by an
3 adhesive material.

1 6. The practice grenade of claim 5, wherein the overall
2 length of the practice grenade is about 9 1/4 inches.

1 7. The practice grenade of claim 6, wherein the overall
2 nosecone length is 3 3/4 inches; the front flat diameter is 3/4
3 inch; the front cone portion length is 1 3/4 inches; the nose
4 cone central cylindrical portion is 2 inches in diameter and 1
5 inch in length; the nose cone inner taper portion is 1 inch in
6 length; the nose cone diameter at nose cone rear flat is 1 1/2
7 inches; the nose cone rear axial bore is 1 inch in length and 1
8 1/4 inches in diameter; the nose cone central axial bore is 1/2
9 inch in length and 7/8 inch diameter; the cylindrical body
10 overall length is about 6 1/2 inches; the cylindrical body axial

11 bore is 7/8 inch in diameter and 5 1/2 inches in length; the tail
12 length between front and rear surfaces is 1 1/2 inches; the tail
13 cylindrical portion diameter is 1 3/4 inches; the tail fin length
14 is 1 1/2 inches; and the tail fin thickness is 3/8 inch.

1 7. The practice grenade of claim 2, wherein said tail
2 attachment and receiving threads are 1 1/4 inch by 7.

1 8. The practice grenade of claim 1, wherein said nose cone
2 and said tail are made of a plastic material and said cylindrical
3 body is made of aluminum.

1 9. The practice grenade of claim 8, wherein said plastic
2 material is a high-density polyethylene and said aluminum is 6061
3 aluminum.